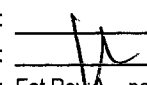
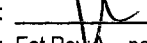



Date: Wednesday, 2/20/2008 4:20:12 PM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : REMOVABLE HELI UTILITY STEP RH
Job Number : 37517	
Estimate Number : 13195	
P.O. Number :	Part Number : D205541048
This Issue : 2/20/2008 S.O. No. :	Drawing Number : IIN D205-541 REV G 0/R
Prsht Rev. : NC	Project Number :
First Issue : / / Type : LARGE FAB ASSY	Drawing Revision : G
Previous Run : 37485	Material :
Written By : 	Due Date : 3/14/2008 Qty: 1 Um: Each
Checked & Approved By : 	
Comment : Est Reva new issue 08-02-19 verified by: LL	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

1.0	DC	DOCUMENT CONTROL
-----	----	------------------



Comment: Photocopy bluefile & type labels per PPPD205-541-048 CHG001

2.0	PACKAGING 1	PACKAGING RESOURCE #1
-----	-------------	-----------------------



Comment: PACKAGING RESOURCE #1
 Pick Packing Kit

3.0	D3724042	Step Assy
-----	----------	-----------



→ Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)
 Step Assy 37531

4.0	D37311	PLATE
-----	--------	-------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)
 PLATE 337124 changed per Eng AS

5.0	D3736041	PLATE ASSEMBLY
-----	----------	----------------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)
 PLATE ASSEMBLY 337126 AS 08/03/17 (X)

6.0	D37511	Shim
-----	--------	------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)
 Shim 337486 AS 08/03/17 (X)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: JD Date: 02/03/17
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: REMOVABLE HELI UTILITY STEP RH

Job Number: 37517

Part Number: D205541048

Job Number:



Seq. #:

Machine Or Operation:

Description :

7.0

AN313A

Bolt



Comment: Qty.: 6.0000 Each(s)/Unit Total : 6.0000 Each(s)
Bolt M104746

AS 08/03/17 (XU)

8.0

AN314A

Bolt



Comment: Qty.: 6.0000 Each(s)/Unit Total : 6.0000 Each(s)
Bolt M105953

AS 08/03/17 (XU)

9.0

AN960JD10L

Washer



Comment: Qty.: 18.0000 Each(s)/Unit Total : 18.0000 Each(s)
Washer M104885

AS 08/03/17 (XU)

10.0

MS21042L3

Nut



Comment: Qty.: 9.0000 Each(s)/Unit Total : 9.0000 Each(s)
Nut M106242

AS 08/03/17 (XU)

11.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

Paperwork not included

12.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D205-541-048

Location:

PPP Rev:

PPAF

ENGINEERING
APPROVAL

13.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

08/03/17

Job Completion



08-03-17

POSITIVE RECALL

EFFECTIVE 08/02/21

AUTH

RELEASED

ASS

DATE 08.03.17

B 37531

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

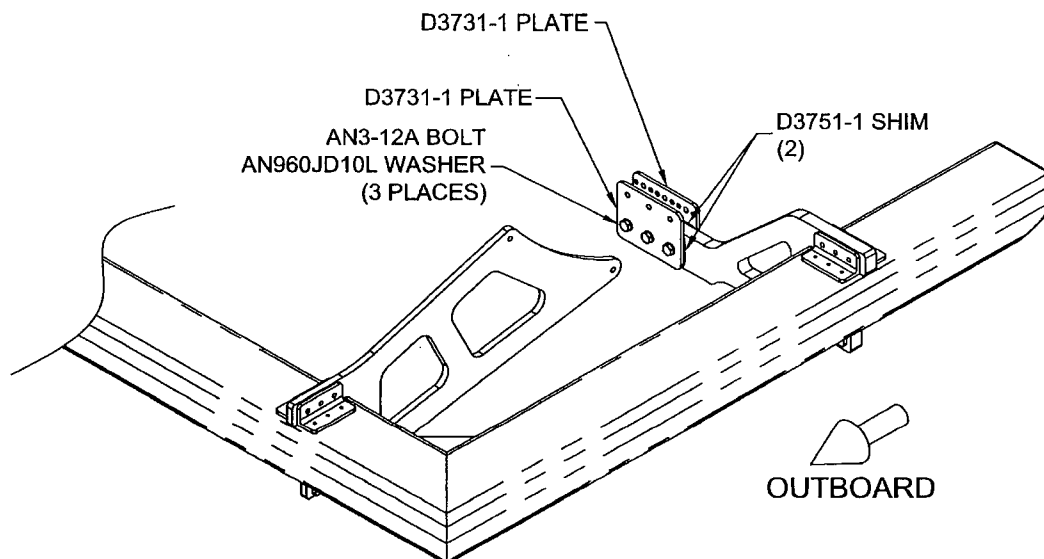


Figure 10 – Step Plate Assembly

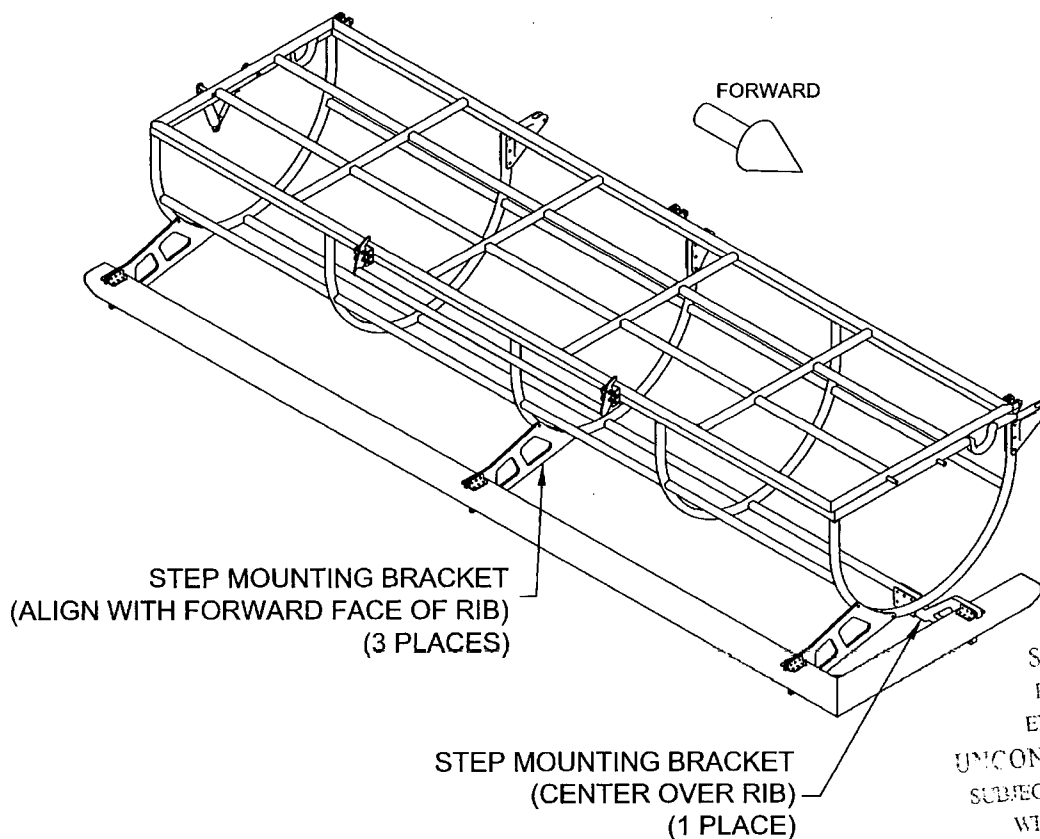
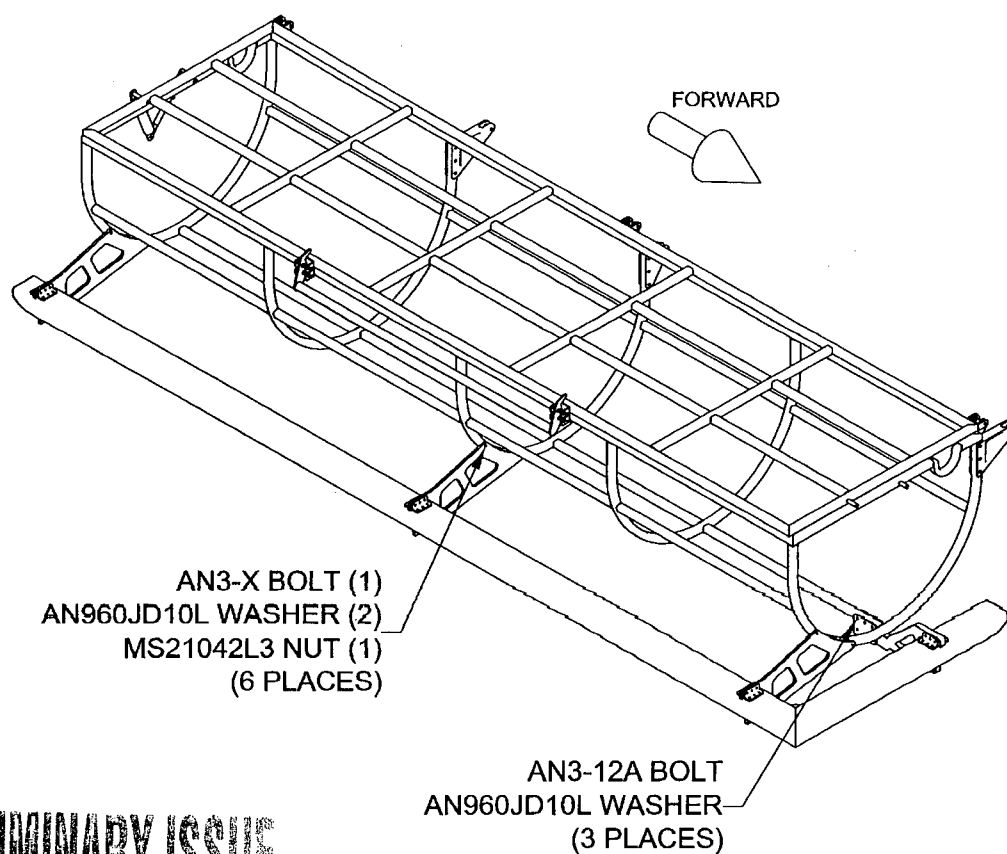


Figure 11 – Step Alignment

PRELIMINARY
105 02.21.08

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 37517



PRELIMINARY ISSUE

ASS 02.21.08

Figure 12 – Step Installation

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 37517

4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D205-541-043 <i>Heli-Utility-Basket™</i>	118 lb 53.6 kg	- 63.13 in - 1.60 m	- 7449 in-lb - 85.8 m-kg	132.25 in 3.36 m	15606 in-lb 180.1 m-kg
D205-541-044 <i>Heli-Utility-Basket™</i>	118 lb 53.6 kg	+ 63.13 in + 1.60 m	+ 7449 in-lb + 85.8 m-kg	132.25 in 3.36 m	15606 in-lb 180.1 m-kg
D205-541-045 <i>Heli-Utility-Basket™</i>	104 lb 47.3 kg	- 63.13 in - 1.60 m	- 6566 in-lb - 75.7 m-kg	132.25 in 3.36 m	13754 in-lb 158.9 m-kg
D205-541-046 <i>Heli-Utility-Basket™</i>	104 lb 47.3 kg	+ 63.13 in + 1.60 m	+ 6566 in-lb + 75.7 m-kg	132.25 in 3.36 m	13754 in-lb 158.9 m-kg
D205-541-047 <i>Heli-Access-Step™</i>	14 lb 6.4 kg	- 59.63 in - 1.51 m	- 834 in-lb - 9.7 m-kg	126.56 in 3.21 m	+ 1772 in-lb + 20.5 m-kg
D205-541-048 <i>Heli-Access-Step™</i>	14 lb 6.4 kg	+ 59.63 in + 1.51 m	+ 834 in-lb + 9.7 m-kg	126.56 in 3.21 m	+ 1772 in-lb + 20.5 m-kg

• COPYRIGHT © 1993 BY DART AEROSPACE LTD. •
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: **G**

Date: 08.02.04

L Lacelle

From: Alan Stocker [astocker@dartaero.com]
Sent: March 17, 2008 8:15 AM
To: 'David Shepherd'
Cc: 'Peter Hum'; 'Mike Petsche'; 'Chris Provencal'; 'Marc Bellavance'; 'L Lacelle'; 'David Shepherd'; 'Kim Johnston'; 'Sheldon, Susanne'
Subject: RE: FAASA basket/step

Good Morning,

I just wanted to thank everyone their help and support with this project. I'll try not to make the next one as painful.

Alan

Have working on paperwork should be able to send to customer 18/03

From: David Shepherd [mailto:dshepherd@dartaero.com]
Sent: March 14, 2008 5:32 PM
To: 'Bill Beckett'
Cc: 'Mike Petsche'; 'Alan Stocker'; 'Kim Johnston'; 'Peter Hum'; 'Chris Provencal'; 'Mike O'Reilly'; 'Spyke Whiting'; 'Sian Willems'; 'Peggy McDonald'; 'Heather Mahon'; 'Jennifer Renwick'; 'Kim Fetter'; 'Robbin Fraser'
Subject: FAASA basket/step

Bill,

The D205-541-045/-056 Heli-Utility-Basket (smaller version) and D205-541-047/-048 Heli-Access-Steps that were designed for FAASA are now TC/FAA/EASA approved.

Because the STC's all call out "later approved revisions" of the paperwork, there is no STC update associated with this approval.

We need to send FAASA the approved paperwork (ie. new IIN/ICA/FMS) to go with the basket/step we have already shipped them.

Alan,

Congrats on completing your first project. All of the signed data is on its way back to you for filing. Suggest you go over what this means with Peter or Chris.

Chris/Peter,

Thanks for dropping everything and "picking up the pieces" today.

Peter ... I guess I owe you a beer.

Chris ... I guess I owe you a fancy iced tea, or something

Have a good weekend.

David

No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.519 / Virus Database: 269.21.7/1329 - Release Date: 3/14/2008 12:33 PM

17/03/2008

...CONTINUED FROM PREVIOUS PAGE

Qty -043	Qty -044	Qty -045	Qty -046	Part Number	Description
2*	2*			MS20600AD4W3	RIVET
2*	2*	2*	2*	MS21042L3	NUT (OR MS21042-3)
4*	4*	5*	5*	MS21042L4	NUT (OR MS21042-4)
16	16	16	16	MS21042L4	NUT (OR MS21042-4)
4*	4*	4*	4*	MS21042L5	NUT (OR MS21042-5)
2	2	2	2	MS21042L5	NUT (OR MS21042-5)

* = ASSEMBLED AT DART

6.0 PARTS LIST HELI-ACCESS-STEP™

Qty -047	Qty -048	Part Number	Description
X		D205-541-047	HELI-ACCESS-STEP, LH
	X	D205-541-048	HELI-ACCESS-STEP, RH
1		D3724-041	STEP ASSY, LH
	1	D3724-042	STEP ASSY, RH
2	2	D3731-1	PLATE
2	2	D3751-1	SHIM
6	6	AN4-13A	BOLT
6	6	AN4-14A	BOLT
24	24	AN960JD416	WASHER
12	12	MS21042L4	NUT (OR MS21042-4)

7.0 OPTIONAL EQUIPMENT

Qty -049	Part Number	Description
X	D205-541-049	LINER KIT
1	D2446	SIGN PLATE
1	D2509	LINER (BASE)
1	D2511	LINER (END)
6	MS24693S272	SCREW
6	A3235-020-935	WASHER
6	NAS679A3W	NUT
4	MS20470AD4-8	RIVET
42	MS20600AD4W4	RIVET